

Amendments to the claims

1. (currently amended) A magnetic field generator system having a magnetic center field, the generator comprising:

opposing posts;

opposing yokes connected to said opposing posts, ~~at least one of said posts having a spacer;~~

at least one permanent magnetic block connected to at least one of said opposing yokes; and

a slot at least one spacer formed in at least one of said posts, said yokes; and ~~and said permanent magnetic block~~

a plurality of plates to be inserted at least part way into said slot.

2. (currently amended) The system of claim 1 wherein said plurality of plates are individually inserted into said slot to achieve a desired magnetic center field ~~Claim 1 wherein said at least one spacer comprises at least one slot formed in at least one of said opposing yokes.~~

3. (currently amended) The system of claim 2 wherein each plate in said plurality of plates is inserted vertically in said slot ~~Claim 2 wherein said at least one spacer comprises at least one slot formed in opposing ends of at least one of said opposing slots.~~

4. (currently amended) The system of claim 3 wherein each plate in said plurality of plates is installed adjacent another plate from said plurality of plates ~~Claim 2 wherein said spacer comprises at least one slot formed in each of said opposing yokes.~~

5. (currently amended) The system of claim 3 wherein a plate from said plurality of plates is not installed adjacent another plate from said plurality of plates ~~Claim 2 wherein said spacer comprises a plurality of slots formed in at least one of said opposing yokes.~~

6. (currently amended) The system of claim 2 wherein each plate in said plurality of plates is inserted horizontally in said slot ~~Claim 5 wherein said spacer comprises a symmetrical pattern of slots formed in at least one of said yokes.~~

7. (currently amended) The system of claim 6 wherein each plate in said plurality of plates is installed adjacent another plate from said plurality of plates ~~Claim 5 wherein spacer comprises an un-symmetrical pattern of slots formed in at least one of said yokes.~~

8. (currently amended) The system of claim 6 wherein each plate in said plurality of plates is not installed adjacent another plate from said plurality of plates ~~claim 5 wherein at least two of said plurality of slots are of different sizes.~~

9. (currently amended) The system of claim 1 wherein at least two plates from said plurality of plates are of different sizes ~~claim 5 wherein at least two of said plurality of slots are of different sizes.~~

10. (canceled)

11. (currently amended) The system of claim 1 wherein at least one plate from said plurality of plates is a steel plate ~~Claim 10 wherein said at least one plate is a steel plate adapted to be inserted in at least one slot.~~

12. (currently amended) The system of claim 1 wherein at least two plates from said plurality of plates are comprised of different material ~~Claim 10 comprises a plurality of plates, wherein at least two of said plates are comprised of different material.~~

13. (canceled)

14. (canceled)

15. (currently amended) A method for adjusting a magnetic center field of a permanent magnet system, said method comprising:

determining an adjustment required for the magnetic center field; and

adjusting the magnetic center field by installing a plurality of plates in a slot in a yoke of ~~using at least one spacer in~~ the permanent magnet system.

16. (currently amended) The method of claim 15 wherein installing said plurality of plates includes positioning the plates vertically in said slot ~~Claim 15 wherein said spacer comprises forming at least one slot in the permanent magnet system.~~

17. (currently amended) The method of claim 16 wherein each plate from said plurality of plates is installed adjacent another plate from said plurality of plates ~~Claim 15 wherein said spacer comprises forming a plurality of slots in at least two opposing yokes of the permanent magnet system.~~

18. (currently amended) The method of claim 16 wherein each plate in said plurality of plates is not installed adjacent another plate from said plurality of plates ~~Claim 16 wherein said spacer further comprises at least one plate used at least with said at least one slot.~~

19. (currently amended) The method of claim 15 wherein each plate in said plurality of plates is inserted horizontally in said slot ~~A method for adjusting a magnetic center field of a permanent magnet system in an MRI device, said method comprising:~~

~~determining an adjustment required for the magnetic center field;~~

~~adjusting the magnetic center field using at least one spacer in the permanent magnet system; and~~

~~determining if said adjustment is sufficient.~~

20. (currently amended) The method of claim 19 wherein each plate from said plurality of plates is installed adjacent another plate from said plurality of plates ~~Claim 19 wherein said spacer comprises forming at least one slot in the permanent magnet system.~~